

GORYNSKI, Tomasa; WITWICKI, Tadeusz

Difficulties and errors in the diagnosis of Ewing's sarcoma according to data from the Orthopedic Clinic of the Academy of Medicine in Warsaw. Chir. narzad. ruchu ortop. rol. 28 no.5:523-528 63.

1. Z Kliniki Ortopedycznej AM w Warszawie. Kierownik: prof. dr. A.Gruca.

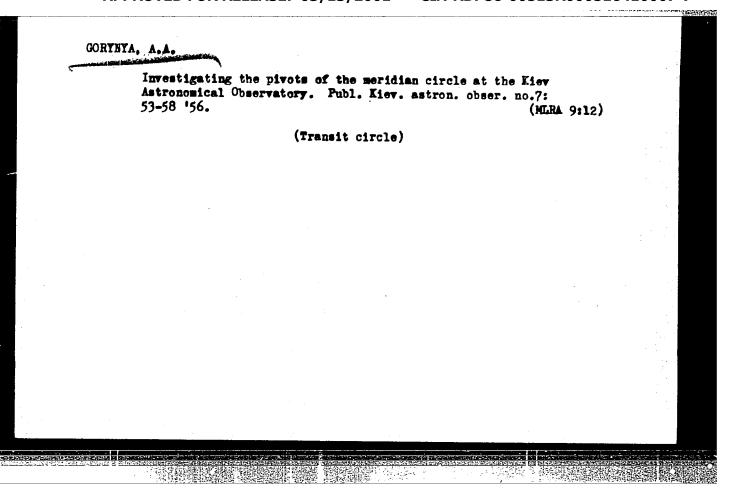
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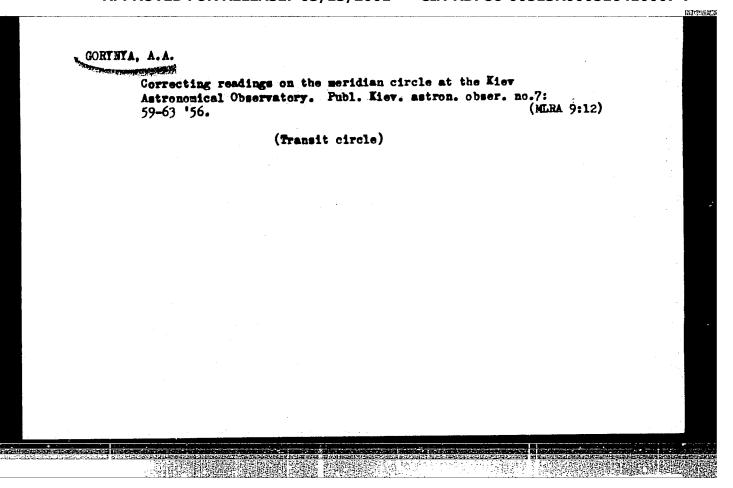
CHALOV, A. (g. Tashkent); TSUTSKOV, S.; VASIL'YEV, V. (g. Sverdlovsk);

GORMNSEV, F. (g. Sverdlovsk)

Repaired by amateurs. Radio no.5:46 My '61. (MIRA 14:7)
(Radio—Repairing) (Television—Repairing)

Gatalog of declinations of 585 faint stars in the FK3 system observed on the transit circle at the Kiev Astronomical Observatory. Trudy KAO 1:3-79 '56. (MIRA 10:9) (Stars--Catologs) (Transit circle)





32039 S/035/61/000/011/002/028 A001/A101

AUTHORS:

Yakovkin, A.A., Gorynya, A.A.

TITLE:

Reduction of lunar observations onto the baricentric sphere

PERIODICAL:

Referativnyy zhurnal. Astronomiya i Geodeziya, no. 11, 1961, 10, abstract 11A90 ("Tr. 14-y Astrometr. konferents11 SSSR, 1958", Moscow-Leningrad, AN SSSR, 1960, 398-403, Discuss. 403, Engl. summary)

The authors analyze the possibility of approximating the shape of the Moon by means of the smoothing curve of the following form: $r = R_0 + a\cos^2(p + \gamma)$ $(a = 0 \text{ for } -90^{\circ}$

Thus the lunar shape is represented by a semicircle of radius Ro and a 4-order curve, $r = R_0 = a\cos^4(p + \gamma)$. The mass center of the Moon coincides with the circle center; p is position angle of a point at the lunar edge; r is the angle between the projection of the polar axis and the symmetry axis of the proposed model. The coordinate system is used which has the origin in the center of this circle, X-axis oriented northwards, and Y-axis oriented eastwards; using this system, the radius of the most probable circle and coordinates of its center, as

Card 1/2

39314 s/035/62/000/007/014/083 A001/A101

AUTHOR:

Gorynya, A. A.

TITLE:

Determination of physical libration constants from Hartwig's observations from 1890 to 1922 with allowance for libration effect in Moon's radius

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 19, abstract 7A141 ("Izv. astron. observ. AN USSR", 1960, v. 3, no. 1, 23 - 35)

In studying physical libration of the Moon, A. A. Yakovkin dis-TEXT: covered a new phenomenon which was named by him libration effect in Moon's radius This phenomenon consists in the following: The radius and even the shape of the outer limb of the Moon depend on the magnitude of optical libration in latitude. Various authors assume different figures for the shape of the Moon outer limb, namely: a) Circle whose radius depends on optical libration; b) semi-circle: for the northern hemisphere and semi-ellipse with a variable major semi-axis, directed along the central meridian, for the southern hemisphere; c) the same

Card 1/2

Determination of ...

S/035/62/000/007/014/083 A001/A101

for the northern hemisphere and semi-ellipse with a major semi-axis turned towards decreasing position angles by about 15 - 30°. The author reprocesses observations of the lunar crater Moesting A, carried out by Hartwig in Bamberg in 1890 - 1922. These observations were processed by Naumann on several assumptions as to the shape of the Moon outer limb, and every time in two variants; with and without corrections for relief, according to Hayn's maps, taken into account. Corrections of physical libration elements are calculated for each of these variants. There are 11 references.

S. Makover

[Abstracter's note: Complete translation]

Card 2/2

87238

3.1550 (1057,1062,1129)

S/034/60/000/211/001/001 E133/**E**161

AUTHOR:

Gorynya, A.A.

TITLE:

A Revision of Hartvig's Lunar Observations (1890-1915)

Taking into Account the Libration Effect

PERIODICAL: Astronomicheskiy tsirkulyar, 1960, No.211, pp.14-16

TEXT: The observations made by Hartvig at Hamburg, to determine the libration constants, were reduced by Naumann (Ref.1), using the classical method. (This method assumes that, for varying librations, the limit of the moon does not change, i.e. the moon is a sphere of constant radius, the centre of this sphere coinciding with the centre of mass). Later work (Refs 2 and 3) is not thus restricted. The author therefore reconsiders the work, as in Refs 2 and 3, in order to obtain new values for the inclination of the lunar equator and for f (a function of the moments of inertia). He used two approximations: 1) a semi-circle for the Northern limb and a curve $r = r_0 + a \cos^4 \rho$ for the Southern limb, and 2) the same system but now inclined at an angle of 20° to the N-S line. This second approximation was used because Spencer Jones (Ref.4) has shown that there is a systematic Card 1/3

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A Revision of Hartvig's Lunar Observations (1890-1915) Taking Into Account the Libration Effect

elevation of the limb in the S.E. quadrant. To obtain a value for the constant a (which depends on the libration in latitude, β_0), the author uses data given by Spencer Jones. He finds:

 $a = 1^{n}.44 + 0^{n}.089 \beta_{0}$

Two values for a are obtained for the case 2) above; one for the East, and one for the West, limb. The results are given in the following table, where the first column corresponds to case 1) and the second column to case 2).

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A Revision of Hartvig's Lunar Observations (1890-1915) Taking Into Account the Libration Effect

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β	-3°12°56" ±13"	-5º11'32" ±13"	
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f	0.82 + 0:041	1932*40* ±15*	
		0.82 ±0:029	

The average errors indicate that 2) is more realistic. The author also gives, for comparison, Naumann's results. He concludes that the inclination should be increased by 1'20" and f by 0.12. There are 2 tables and 4 references: 2 Soviet and 2 non-Soviet.

ASSOCIATION: Goloseyevo, GAO AN USSR

Card 3/3

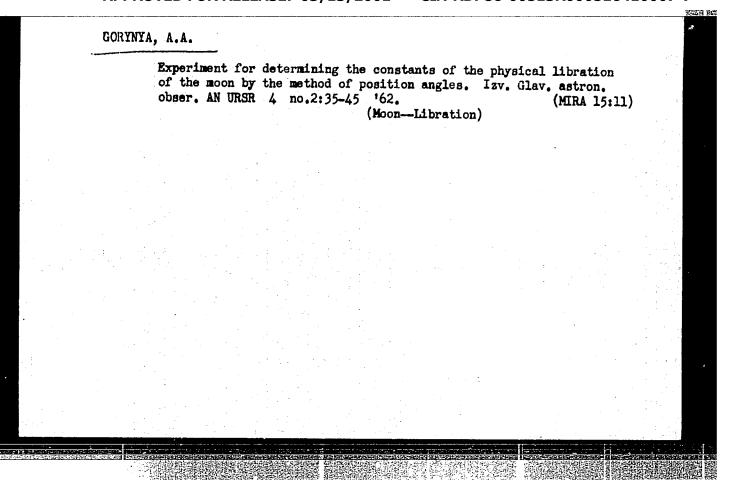
(GAO, AS Ukr.SSR, Goloseyevo)

SUBMITTED:

March 28, 1960

GORYNYA, Anton Ageyevich; DROFA, Vasiliy Kirillovich; YAKOVKIN, A.A., otv. red.; LABINOVA, N.M., red.izd-va; RAKHLINA, N.P., tekhn. red.

[Relief of the boundary area of the moon; based on photographic observations on the astrograph of the Astronomical Observatory of Kiev University] Relief kraevoi zony Luny; po fotograficheskim nabliudeniiam na astrografe astrono icheskoi observatorii Kievskogo gosudarstvennogo universiteta im. T.G.Shevchenko. Kiev, Izd-vo Akad. nauk USSR, 1962. 162 p. (MIRA 15:5) (Moon-Surface)



EWT(1)/EWG(v)/EEC(t) Po-4/Pe-5/Pq-4/Pac-4/Pae-2 @/GM UR/0000/63/000/00ii/0410/0412 ACCESSION NR: AT5009189 AUTHOR: Gorynya, A.A. Carletter or party the control Determination of the constants of lunar physical libration from observations of position angles SOURCE: Astrometricheskaya konferentsiya SSSR. 15th, Pulkovo, 1960. Trudy. Mcscow, Izd-vo AN SSSR, 1963, 410-412 TOPIC TAGS: moon, astrometry, lunar physical libration APSTRACT: Analyses of long series of observations of the moon made in many observawith different instruments for the determination of physical Weration have always to a second assumption concerning the figure of the trace of the most. tivalues of the parameters of lunar physical intration have their obtained, the pending on the lunar model used. The differences in the inclination , of the lunar equator to the ecliptic and the function f of the moments of inertia have been particularly large. the has proposed a method for determining I and f by measurement of the and the directions on the lunar sortion to a Managery Are relatively so all This article reports on a test of this method. The 1/4 Card

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negatives used were obta the sketa observatoriya l	dined on a refractor (D = 200 mm Klyevskogo universiteta (Astronom	, F = 4 3 m) at the Astronomi-
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computation of t	The rectangular roomances of the position angles of stars and the	naces and caters were meas-
	Carrent Carron Carron	the second of the
of n. 3, correction	uon angles between Moesting A as of these angles for differential re- dostruments anns related to the trible re-	traction 1 computation of
ان غور فنعم عليميان دي.		
2/4	$\left(\frac{\partial R}{\partial I}\right)dI + \left(\frac{\partial R}{\partial I}\right)df = \pi_{\text{obs}} - \pi_{\text{con}}$	n (1),
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 Substituting and Substituting and Substituti		o de la figura de 1999 de la filla de 1900 especial de la Richard Grand de 1900 esta de 1900 esta de 1900 espe La filografia
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Such equations we	ero written for all directions Moesting A- alle results will be there be easily	limb crate: It is assumed
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		•
	$\Delta I = +0.87 \pm 0.32$, $P = 126.16$,	
A A A A A A A A A A A A A A A A A A A	$\Delta f = \pm 0.11 \pm 0.11, P = 1066.87.$	
The mean error o	of one equation with the weight P = 1 was	
	•= ±35.	
After corrections	the final values of I and f were:	
out nut.		
	/=193312* ±19*(
	$f = 0.84 \pm 0.11 \%$	mean errory
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. 그런 아이들은 사람이 하고 있다. 그는 분들이 함께 다른 사람들은 사람들은 사람들이 가지 않는 것들은 것을 받았다.		
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The value of f was found to be som vations. The value of i is also sor continue the values of lunar phys of the limb zone of the moon. Ori	newiat greater. This most	iticated by beliametric obser- thod makes it possible to y of the influence of the figure
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FEDOROV, Ye.P., otv. red.; LUKATSKAYA, F.I., red.; GORYNYA, A.A., red.; KOLCHINSKIY, I.G., red.; HEREZINETS, L.P., red.

[Studies in the physics of stars and diffusion matter] Issledovaniia po fizike zvezd i diffuznoi materii. Kiev, Naukova dumka, 1964. 74 p. (MIRA 17:11)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

FEDOROV, Ye.P., otv. red.; CORYNYA, A.A., red.; KOLCHINSKIY, I.G., red.; LUKATSKAYA, F.I., red.; BEREZINETS, L.P., red.

[Problems in astrometry] Voprosy astrometrii. Kiev, "Naukova dumka," 1964. 94 p. (MIRA 17:6)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

KOVAL', I.K., otv. red.; FEDOROV, Ye.P., red.; GORYNYA. A.A., red.;
KOLCHINSKIY, I.C., red.; LUKATSKAYA, F.T., red.;
BEREZINETS, L.P., red.

[Physics of the moon and planets] Fizika Luny i planet.
Kiev, Naukova dumka, 1964. 137 p. (MIRA 17:10)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

ACCESSION NR: AT4043449

S/0000/64/000/000/0022/0030

AUTHOR: Gory*nya, A. A.

TITLE: Derivation of the constants of lunar physical libration

SOURCE: AN UkrSSR. Glavnaya astronomicheskaya observatoriya. Voprony* astrometrii

(Problems in astrometry). Kiev, Izd-vo Naukova dumka, 1964, 22-30

TOPIC TAGS: moon, lunar libration, libration constant, physical libration

ABSTRACT: The problem of determining the constants of the physical libration of the moon has been studied by many authors, but almost all are based on measurements relating Moesting A to points on the limb of the lunar disk. This gives rise to large systematic errors in the principal parameters of physical libration. This inadequacy is not present in the determination of the parameters of lunar physical libration based on measurements of the position angles of selected craters. The present paper makes use of new results obtained by this method. As in an earlier study by the author (Izv. GAO AN UkrSSR, Izd-vo AN UkrSSR, Vol. IV, No. 2, 1962), the initial data used were lunar photographs taken at the Astronomicheskaya observatoriya kiyevskogo universiteta (Astronomical Observatory of Kiev University), and in part at the GAO AN USSR in 1950-1959. This article gives the results of

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ACCESSION NR: AT4043449

a study of 43 plates. The list of craters used is given in Table 1 of the original; selenographic coordinates from two catalogues are given. Table 2 of the original lists the 43 plates, with date and time of observation, the numbering of the craters and topocentric coordinates of the moon. Table 3 of the original gives the values of the computed coordinates of the craters in an oblique projection; these coordinates are expressed in fractions of the earth's equator. These coordinates can be used to compute the theoretical position angles of the directions Moesting A - limb crater in an ecliptic coordinate system. Details are given on the method for determining the observed position angles. The series of observations reported in the earlier paper and the present study are compared; Table 6 of the original compares the results of the 2 series and gives an analysis of the combined series. The following values were determined: Δ I = +0' .99 ± 0' .26 (mean square error) and Δ f = \pm 0.16 \pm 0.13 (mean square error). At the present time the author's observatory is making visual lunar observations involving measurement of position angles with an ordinary hair micrometer. Such observations have certain advantages over photographic observations. Photographic observations, however, still will be analyzed also. Orig. art. has: 11 formulas and 6 tables.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN UkrSSR (Main Astronomical Observatory, AN UkrSSR)

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[Spectrophotometric studies of active formations on the sun] Spektrofotometricheskie issledovaniia aktivnykh obrazovanii na Solntse. Kiev, Naukova dumka, 1964. 104 p. (MIRA 17:12)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

YAKOVKIN, A.A., ctv. red.; FEDOROV, Ye.P., red.; AKSENT'YEVA,
Z.N., red.; BARABASHOV, N.P., red.; BOCORODSKIY, A.F.,
red.; COMYNIA, Ara., red.; KOVAL', I.K., red.;
KOLCH'NSKIY, I.G., red.; TSESEVICH, V.P., red.;
KOVALENKO, L.D., red.

[Figure and motion of the moon] Figura i dvizhenie Luny.
Kiev, Naukova dumka, 1965. 135 p. (MIRA 18:7)

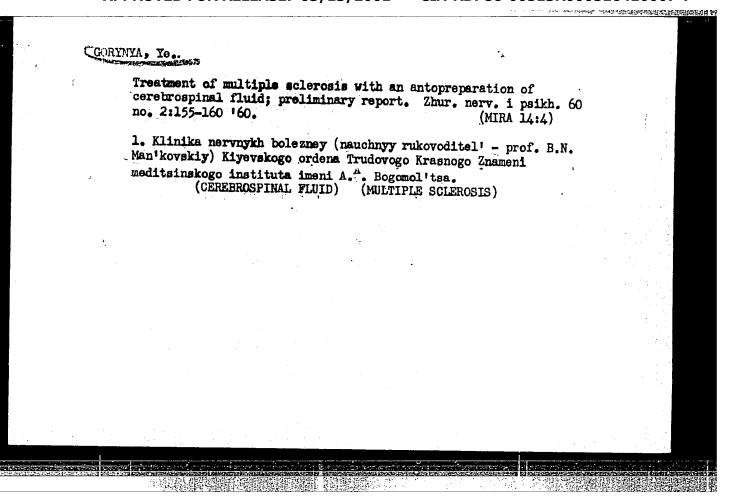
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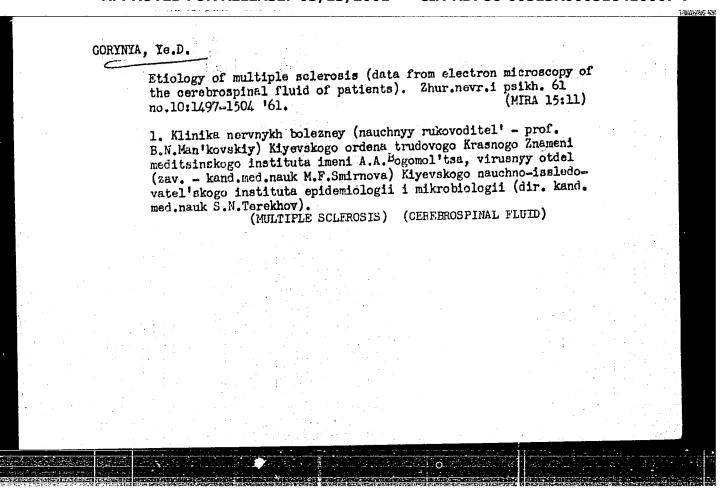
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AUTHOR: Goryny			B+/	
ITLE: Determin		hysical lunar libration by servations	the method of	
lev, Naukova d	umka 1965 9-26	Luny (Shape and motion of selenography	the Moon),	
September, 1962	, to 12 August, 1963, and m which the theoretical i	servations made with a rear d containing 276 Moesting A position angles of these di ed. The following standard	-limb crater rections in the	
where T is the	21.63 d1 inclination of the moon' moon's moments of inert	+ 21.63 df = 127.19 + 734.40 df = 11.64. s equator to the ecliptic s ia. Solution of these equa	nd f is the tions yields	

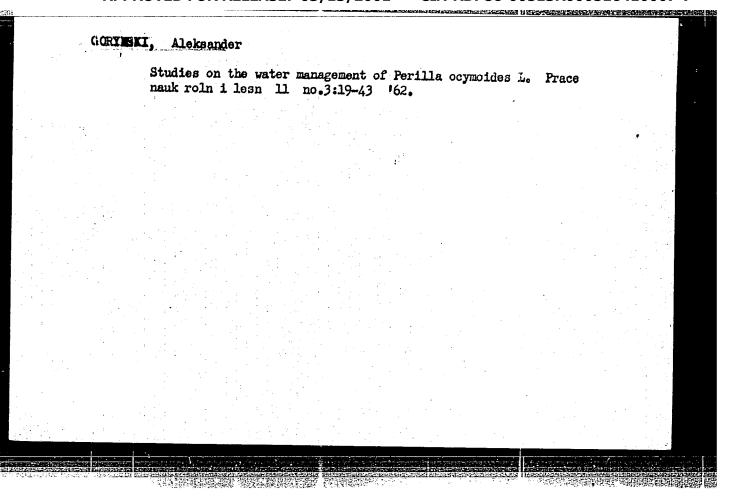
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	$\Delta I = +50" + 11",$ $\Delta f = -0.01 + 0.08$		A
The final quantities sought	are: I = 1°33'10" + 11" f = 0.84 + 0.08		
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AUTHOR: Gorynya, A. A. TITLE: Determination of constants	of physical libration of the moon 12.	S B+1
SOURCE: AN UkrSSR. Figura i dvizhe Kiev, Naukova dumka, 1965, 27-31	niye Luny (Shape and motion of the Moor) .
TOPIC TAGS: lunar motion, lunar cr	ne study of constants of physical library	tion of he in-
clination of the moon's equator to moments of inertia (F) constitutes moon's rotation. The following sta	the ecliptic (I) and function of the me	con's
Their solutions are Considering the initial values Io Card 1/2	$\Delta I = +0^{\circ}.24 \pm 0^{\circ}.28$, $\Delta f = +0.23 \pm 0.18$. and f_0 , the authors finally obtain	

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ACCEPTANT OF THE PROPERTY OF T	I = 1032'34" ± 17",			
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S/194/62/000/012/070/101 D295/D308

9.1000

AUTHOR:

Goryschkin, V. I.

TITLE:

Method of measurement of ultra-short wave field strength and of the radiation power of an aerial

PERIODICAL:

Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 24, abstract 12 Zh 142 (Kratkiye soobshch. Buryatsk. kompleksn. n.-i. in-ta, no. 3, 1962,

146-151)

TEXT: The suggested field strength measurement method reduces to measurement of the output voltage or strength of a reception antenna by replacing the emf induced in the antenna by an external emf from a calibrated generator. If the antenna is exactly matched with the receiver, the field strength is given by the expression

$$E = (4\pi/\lambda)e^{\beta l} (30/\epsilon_{rec}R_g)^{1/2}U_g$$

Card 1/3

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Method of measurement ...

where ß is the attenuation constant of the feeder, l is the length of the feeder, $E_{\rm rec}$ is the gain of the receiving antenna, $R_{\rm g}$ is the internal resistance of the generator and $U_{\rm g}$ is the output voltage of the generator. The accuracy of such a measurement method is not less than 20%. The emission power of an antenna for unknown transmitter power and unknown parameters of the antenna-feeder system can be measured by means of a standard receiving antenna and a sensitive power meter. The expression for the radiation power—of an omnidirectional antenna equivalent to the above one has the form

$$P_{\Sigma} = 158 L^2 P_{m} / \lambda^2 \epsilon_{sa} \gamma_{f}$$

where L is the distance between transmitting and receiving antennas, P is the power at the meter input, $\eta_{\hat{\mathbf{f}}}$ is the feeder efficiency, and \mathcal{E}_{sa} is the gain of the standard antenna with respective a

Card 2/3

Method of measurement ...

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half-wave dipole. The accuracy of the method is not less than 15%.

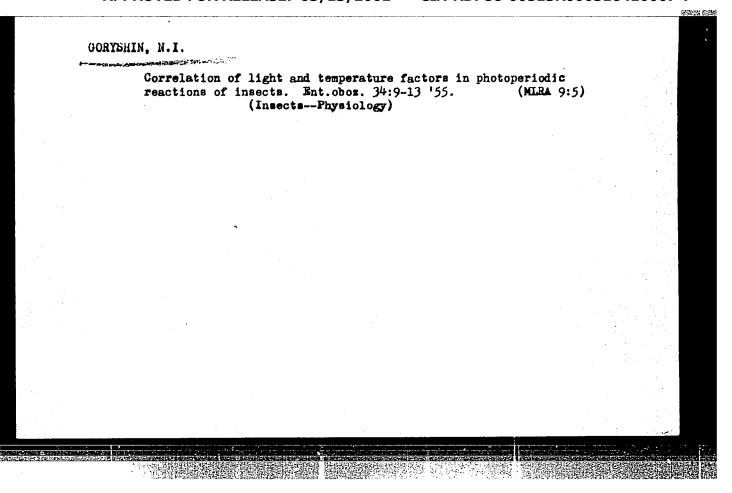
Abstractor's note: Complete translation.

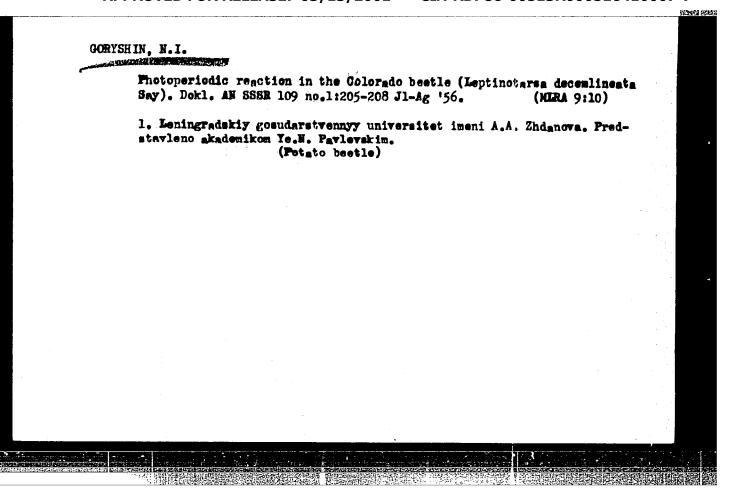
Card 3/3

GORVSKIH, N. J.

"Ecological Analysis of the Seasonal Cycle of the Development of the Cotton
Rorer in the Cotton Cultivating Northern Rayons." Cand Biol Sci, Lexingrad
State U, Leningrad, 1953. (KZhBiol, No 1, Jan 55)

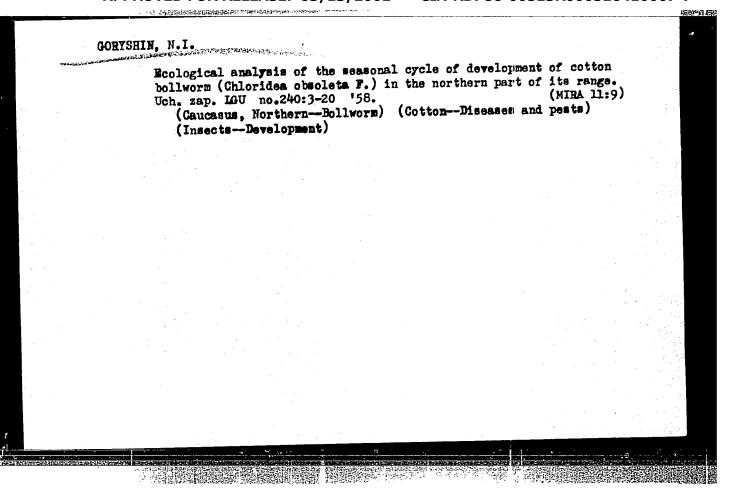
Survey of Scientific and Technical Dissertations Defended at USSR Wisher
Educationa Institutions (13) SD: Sum. 502, 20 Jul 55





"On the correlation of the light- and temperature factor in the delelopment of insect types".

Theoretical and Practical Work Carried out by Entomologists. reported at All-Union Entomological Conference, Georgian Dept. A-U Entomological Society, Tbilisi, h-9 Oct 1957
Vestnik AN SSSR, 1958, v. 28, No. 1, p. 129-30 (author Gilyarov, M. S.)



P

USSR / General and Specialized Zoology - Insects.

: Ref Zhur - Biologiya, No 5, 1959, No. 20810 Abs Jour

: Goryshin, N. I. Author

: AS USSR : Influence of the Length of Day on the Inst Formation of the Diapause in the Colorado Title Beetle (Leptinotarsa Decemlineata Say)

: V sb.: Koloradsk. zhuk i mery bor'by s Orig Pub

nim. 2.M., AN SSSR, 1958, 136-149

: The Colorado beetles of the I larval age were raised in photothermostats at 25° and for Abstract different photoperiods (0; 12; 13; 14; 15; 16; 17; 18 and 24 hours of daylight). The feed were the leaves of the potato of the Akkersegen variety. Under all conditions

9-12 days after revival the larvae stopped

card 1/3

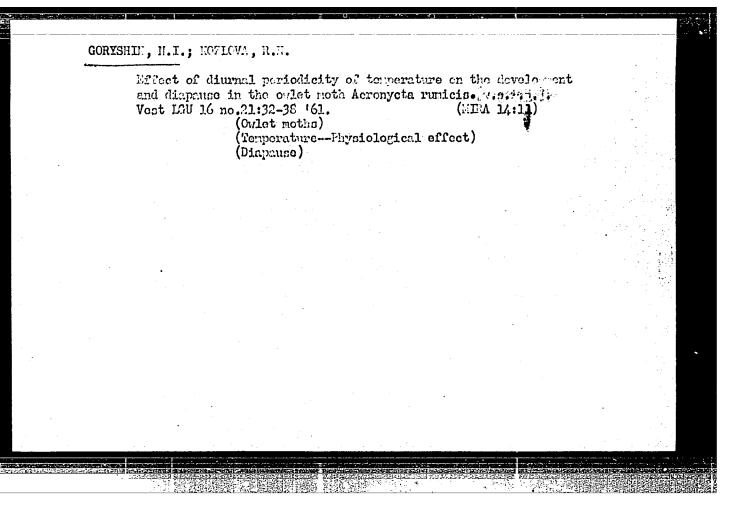
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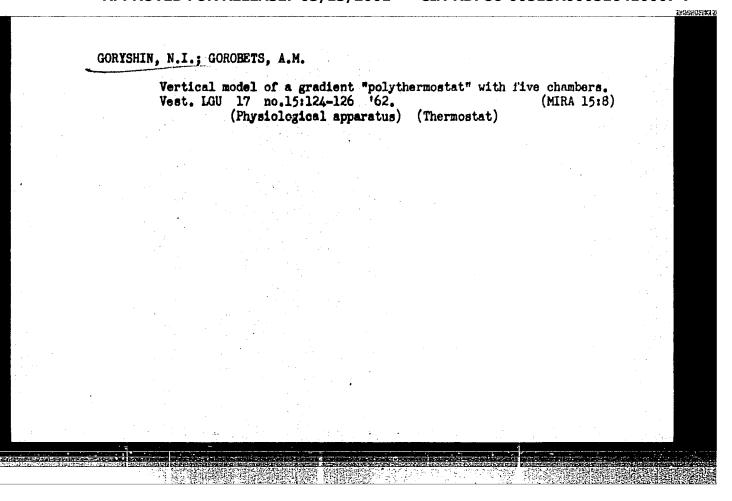
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feeding and went into the pupa stage. The young beetles appeared, on the average, 22 days after the start of the experiment, and the average period of development varied from 23.9 to 25.9 days, also without any relationship to the longth of the day. With a day less than 16 hours long, 95% of the beetles went into hibernation on the 10th day after the pupa stage with a strong development of the adipose body and with inactive gonads. With longer days, the diapause occurred for 10-15%, and the rest of the beetles continued to multiply until November inclusive. With a long day, the autumn productivity of the beetles was a good deal larger than the productivity of the spring

Card 2/3





GORYSHIN, N. I.; TSVETAYEVA, G. F.

Effect of intermittent lighting on the photoperiodic reaction and behavior of the moth Acronycta rumicis L. Trudy PBI no.19:122-135 '62. (MIRA 16:1)

l. Laboratoriya entomologii Petergofskogo biologicheskogo instituta.

(Photoperiodism) (Owlet moths)

GCRYSHIN	Effect of 1	ight-dark cycles o	f different duration os. 42 no.1:22-28	on the	photoperio	lic
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			(Insects-Developme			

GORYSHIN, N.I.

Effect of diurnal rhythms of light and temperatur: on the formation of diapause in lepidopterons (Lepidoptera). ht. cboz. 43 no.1286-93 64 MIRA 17:6)

1. Biologicheskiy institut Teningradskogo gosudar itvennogo universiteta St. Fetergof.

ACC NR: AP7001560

SOURCE CODE: UR/0020/66/171/003/0754/0757

AUTHORS: Goryshin, N. I.; Tyshchenko, G. F.

ORG: none

TITLE: The significance of the correlation and absolute duration of day and night for photoperiodic reactivity of insects

SOURCE: AN SSSR. Doklady, v. 171, no. 3, 1966, 754-757

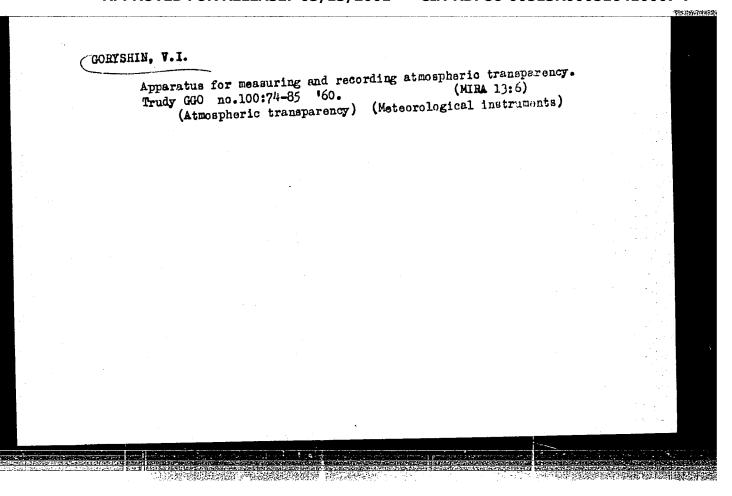
TOPIC TAGS: animal physiology, light biologic effect, insect, ENTONICLOGY

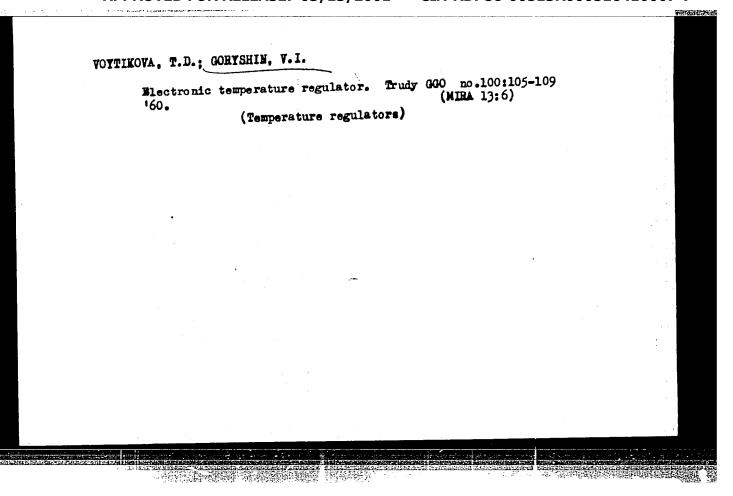
ABSTRACT: Experiments were performed to study the photoperiodic effectiveness of various light-dark cycles and the variation in the critical photoperiod. Two types of Acronysta rumicis L. were studied for photoperiodic reactivity to light-dark cycles from 14 to 35 hours at 20°. The critical dark period (with 50% of the insects in diapause) for the Belgorod and Sukhumi types were 7 hours and 8 hours 25 minutes, respectively, ± 20 minutes, while 16 hours was the minimum cycle duration at which reactivity results from the interaction of light and dark of definite duration rather than from a correlation between light and dark. Test data deny the existence of a special adaptability of the photoperiodic reactivity mechanism to cicadian rhythms and support the theory of C. Pittendrigh, S. D. Beck, and V. P. Tyshchenko on the mechanism of photoperiodic regulation. This paper was presented by Academician B. Ye. Bykhovskiy on 11 April 1966. Orig. art. has: 3 graphs.

SUB CODE: 06/ SUBM DATE: 26Mar66/ ORIG REF: 006/ OTH REF: 008

GORYSHIN, Paval Lyanovich; RODIGIN, Andrey Andreyevich; SARKI.07,
Vladimi Vladimirovich; 2010T0GOROV, Vladimir Grigor'yevich
MEDVEDEV, N.A., red.

[Economic basis of new lumbering equipment] Ekonomichesice
obcsnovanie novoi lesozagotovitel'noi teknniki. Moskva,
Lesnaia promyshlennost', 1965. 109 p. (MIRA 18:9)





s/531/61/000/118/002/004 D218/D302

3,5150

AUTHOR:

Goryshin, V. I.

TITLE:

A compensated photometer for accurate measurements and recordings of the transparency of the atmosphere

SOURCE:

Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy. No. 118, 1961. Issledovaniya radiatsionnykh

protsessov, 26-41

TEXT: The first part of the present paper is concerned with the review of existing compensated photometers for measuring and recording the transparency of the atmosphere and analyzing the associated experimental errors. The second part of the papers gives a description of a compensated photometer developed by the present author. The photometer is illustrated in Fig. 2. The source of light is in the form of a low voltage filament lamp \mathcal{J}_{H} (LN) (2 x 2 mm spiral). Light from this lamp is focussed in the plane of the modulating disc \mathcal{M} by the achromatic condenser \mathcal{J}_{1} , \mathcal{J}_{2} . The lenses Card 1/43

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A compensated photometer ...

verging one and direct it on to a set of reflecting prisms. The reflected light is intercepted by the mirror 3 which focusses it onto the cathode of the photocell ϕ 3. The second part of the system produces the comparison beam which is focussed on the modulating disc by the lenses J_5 , J_6 . It is then collimated by J_7 and I_{P3} , and reaches the diaphragm I_1 in the form of a parallel beam. The lens J_8 refocusses the light in the plane of the glass diffuser MC. The wedges YK which are made of neutral class, are used to control the intensity. Finally, the lens J_9 throws the light onto the cathode of the photocell ϕ 3. The modulating disc is in the form of a toothed wheel which is so arranged that when the two beams are equal in intensity the photocell produces a series of square pulses of equal amplitude, while when the two beams are not equal in intensity, the photocell produces alternate sets of pulses which are such that the amplitude within each set is the same but differs from set to set. It follows that when the two beams are not equal

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A compensated photometer ..

in intensity the signal is amplitude-modulated at a frequency which is much smaller than the carrier frequency. Typical values are 1800 c/s for the carrier frequency and 50 c/s for the low-frequency component. A special electronic circuit was developed to analyze the output signal of the photocell. It consists of a two-stage narrow-band amplifier tuned to the carrier frequency. This is followed by a detector, a carrier frequency filter, and a three-stage narrow-band amplifier tuned to the modulation frequency. The output of the instrument is such that the transparency of the atmosphere can be measured to an accuracy of better than + 1%. It is stated that the instrument can be used to compare, for the first time, the horizontal and vertical transparency of the atmosphere over distances up to 200 m, and to investigate atmospheric turbidity. The instrument has a low inertia and is capable of following the rapid changes in the transparency which are associated with convective processes. The method of modulation is claimed to be new. There are 5 figures and 12 references: 5 Soviet-bloc and 7 non-Soviet-bloc. The reference to the English-language publication reads as follows:

Card 3/43

DASHKEVICH, L.L.; SURAZHSKIY, D.Ya.; USOL'TSEV, V.A.; AZBEL', M.Ye.;

BOZHEVIKOV, S.N.; VORZHENEVSKIY, N.S.; MANUYLOV, K.N.;

GLAZOVA, Ye.F.; KARPUSHA, V.Ye.; PROTOPOPOV, N.G.; SHADRINA,

Ye.N.; ICRUNOV, V.D.; NECHAYEV, I.N.; BESPALOV, D.P.;

ILLARIONOV, V.I.; GLEBOV, F.A.; GLAZOVA, Ye.F.; KAULIN, N.Ya.;

GORYSHIN, V.I.; GAVRILOV, V.A.; TIMOFEYEV, M.P., retsenzent;

YEFREMYCHEV, V.I., retsenzent; KRASOVSKIY, V.B., retsenzent;

V'YUNNIK, A.P., retsenzent; STERNZAT, M.S., otv. red.;

RUSIN, N.P., otv. red.; YASNOCORODSKAYA, M.M., red.; VOLKOV,

N.V., tekhn. red.

[Instructions to hydrometeorological stations and posts] Nastavlenie gidrometeorologicheskim stantsiiam i postam. Leningrad, Gidrometeorological. No.3. Pt.3. [Meteorological instruments and observation methods used on a hydrometeorological network] Meteorologicheskie pribory i metody nabliudenii, primeniaemye na gidrometeorologicheskoi seti. 1962. 295 p. (MIRA 15:5)

(Continued on next card)

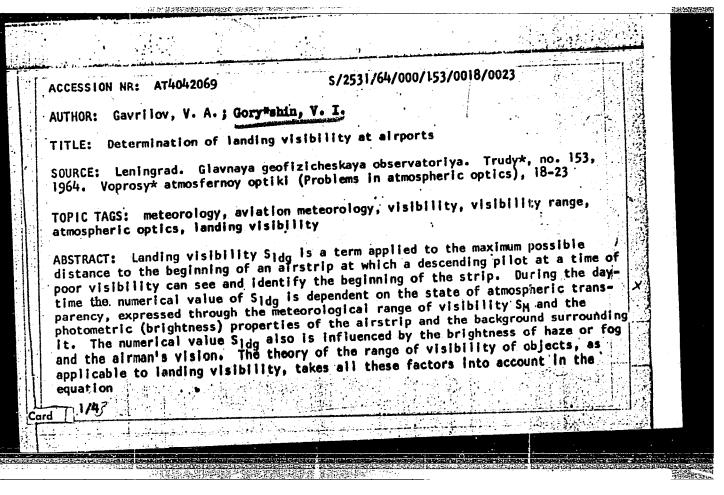
1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. 2. Glavnaya geofizicheskaya observatoriya Nauchno-issledovatel'skogo instituta gidrometeorologicheskikh priborov i Gosudarstvennogo gidrologicheskogo instituta (for Dashkevich. Surazhskiy. Usol'tsev. Azbel'. Bozhevikov.

Dashkevich, Surazhskiy, Usol'tsev, Azbel', Bozhevikov,
Vorzhenevskiy, Manuylov, Glazova, Karpusha, Protopopov, Shadrina,
Igrunov, Nechayev, Bespalov, Illarionov, Glebov, Glazova, Kaulin,
Gorysnin, Gavrilov). 3. Komissiya Glavnogo upravleniya gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR (for Nechayev,
Usol'tsev, Timofeyev, Yefremychev, Krasovskiy, V'yunnik)

(Meteorology)

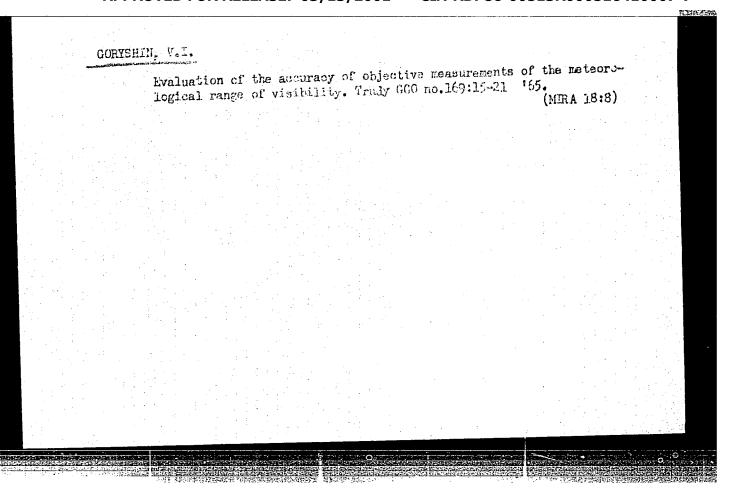
DASHKEVICH, L.L. (continued) Card 2.

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	report pre	esented at t	the Atmospheric Radiation Symp,	Leningrad, 5-12	Aug 04.	
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Card	2/43				
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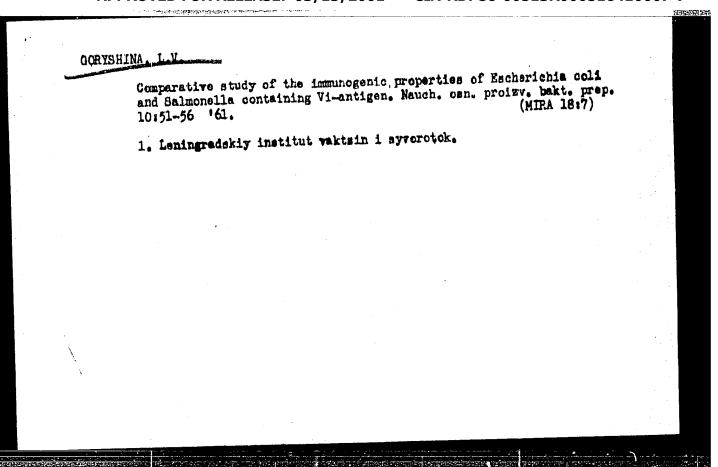
GORYSHIN, V. V. (Eng.): LEVIN, Z. D. (Eng.): LIKHACHEV, A. A. (Cand. Tech. Sci.):

FELIKSON, Ye. I. (Cand. Tech. Sci.); GRIGOR'YEV, B. V. (Cand. Tech. Sci.); and SHNEYDER, Yu. G. (Cand. Tech. Sci.);

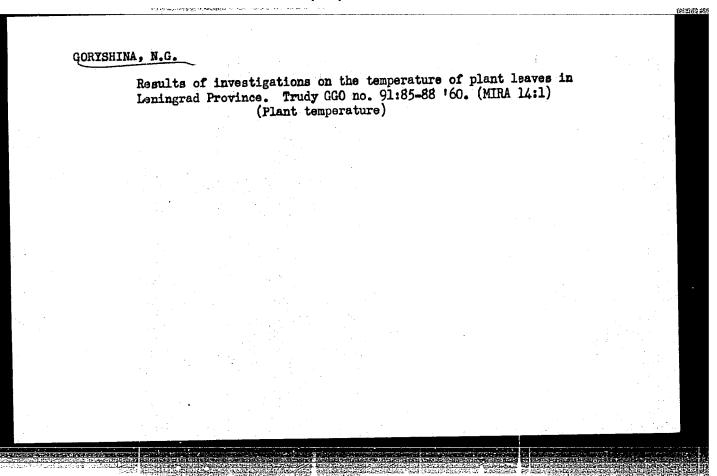
XIV. "Examples of Mechanization and Automation of Instrument-parts Manufacturing Processes," Automation and Mechanization of Production Processes in Instrument Manufacturing, Moscow, Mashgiz, 1958. 591 p.

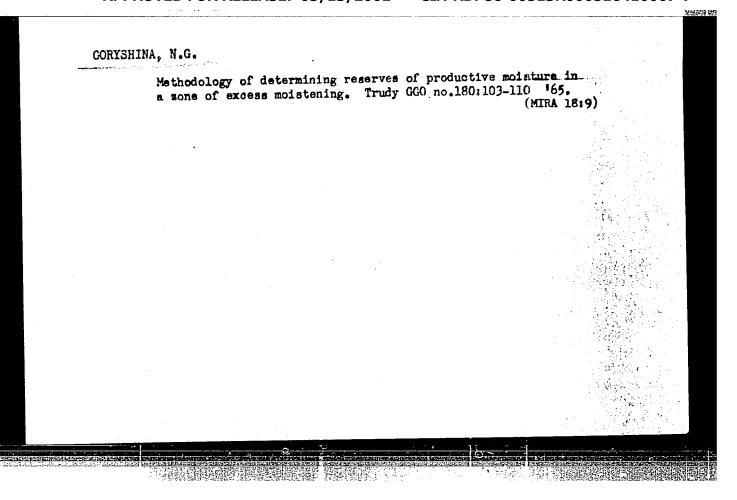
PURPOSE: This book is intended for engineers, technicians, and scientific personnel concerned with mechanization and automation of production processes in instrument manufacturing, and for students and teachers of this subject in vuzes.

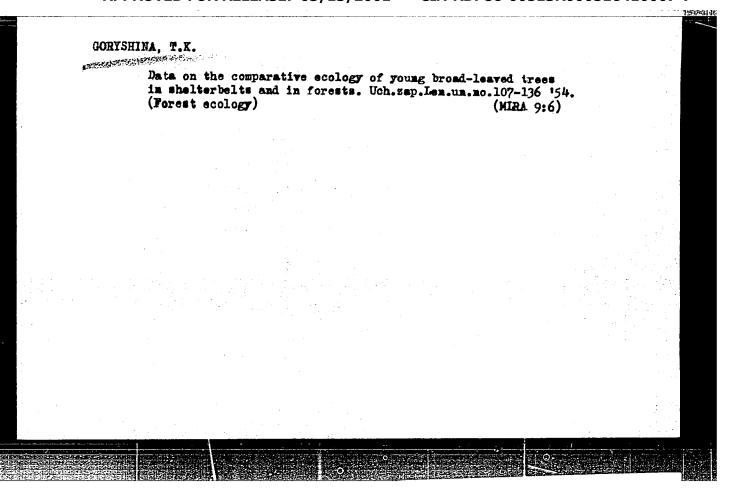
Studies on the Vi-antigen content of Mecherichia coli and Salsonella typhosa using diffuse precipitation on gel. Zhur, mikrobiol, epid. 1 issun. 30 no.2:78-82 F '59. (MIRA 12:3) 1. Is Leningradskogo instituta vaktsir i syvorotok. (ECHERICHICA COLI, Vi-antigen, daterm. with diffuse precipitation on gel (kms)) (SALSONELLA TIPHOSA, same)



GORYSHINA, L. V., Cand Med Sci -- (diss) "Comparative study of the immunological properties of Vi -- antigens of some representatives of bactmunological properties of Vi -- antigens of some representatives of bactmunological properties of Vi -- antigens of some representatives of bactmunological properties of Vi -- antigens of Lenin-teria of the intestinal typhological properties of Lenin Inst for Advanced grad, 1960. 9 pp; (Leningrad State Order of Lenin Inst for Advanced Training of Physicians im S. M. Kirov); 300 copies; price not given; (KL, 51-60, 120)



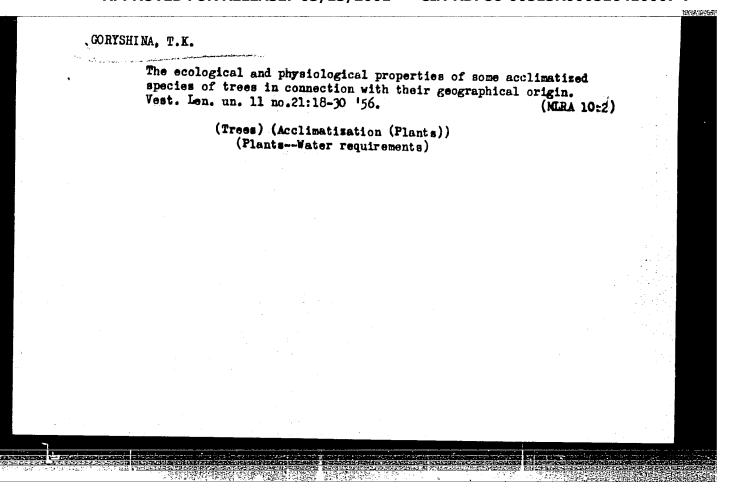


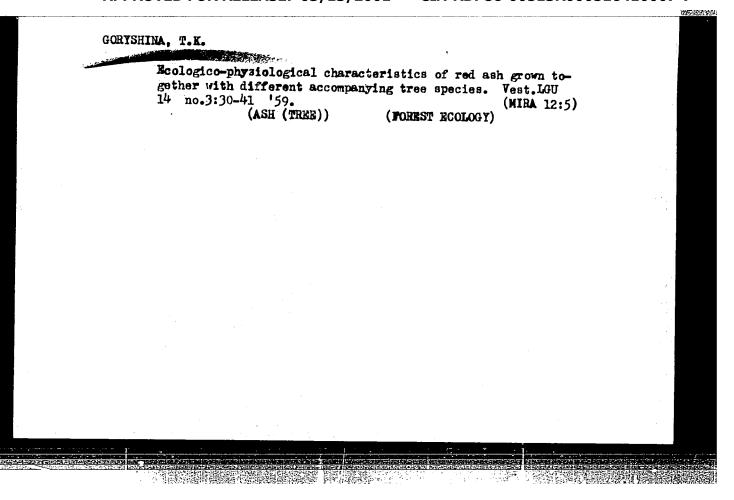


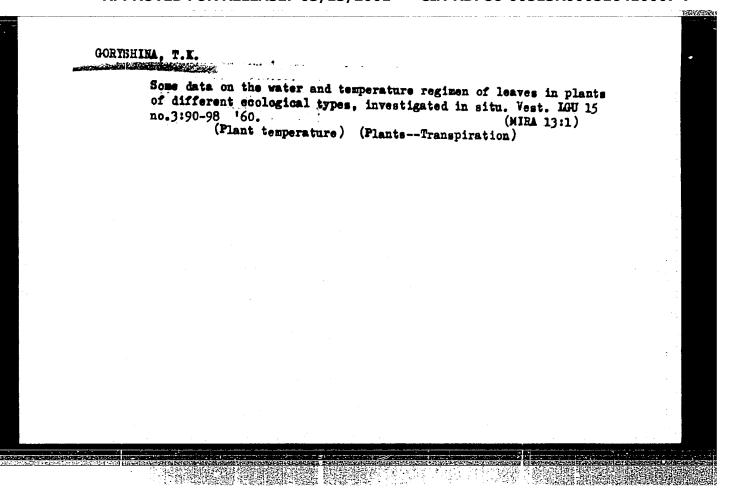
CORYSHINA, T. K.,

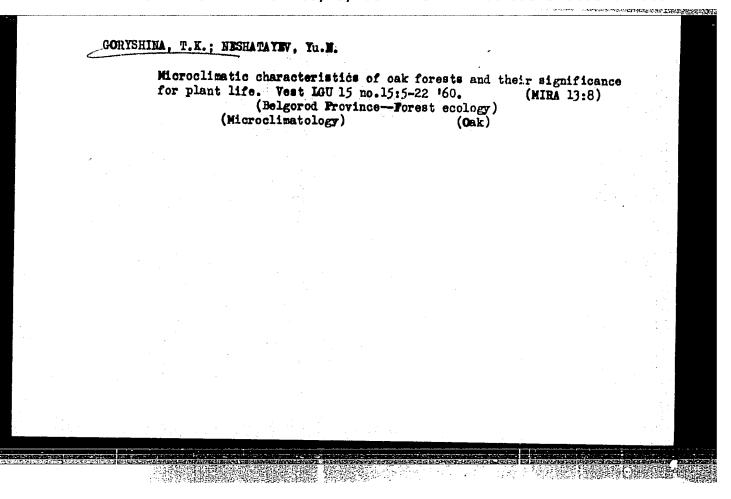
"Ecological and Phytocenogenetic Study of Arboreous Species Acclimatized in the Forest Steppe Zone"." (Dissertation for Degree of Candidate of Biological Sciences)
Leningrad Order of Lenin State U imeni A.A. Thdanov, Leningrad 1955

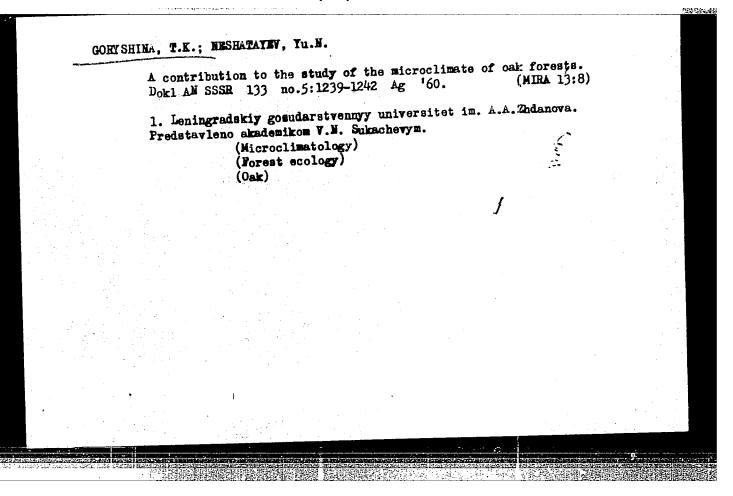
SO: M-1036 28 Mar 56











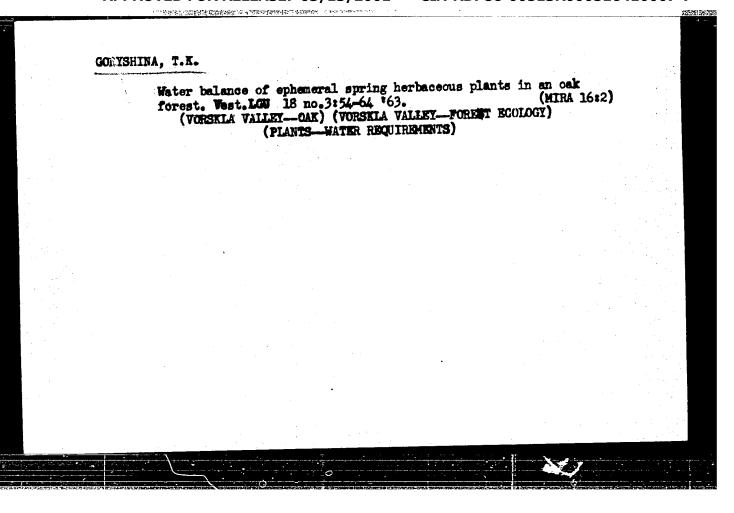
		Mercan
GORYSH	INA, T.K.	
	Temperature conditions of early-spring plants in oak forests. Bot. zhur. 46 no.9:1299-1303 S '61. (MIRA 14:9)	•
	1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova. (Belgorod ProvinceForest ecology) (Plant temperature)	

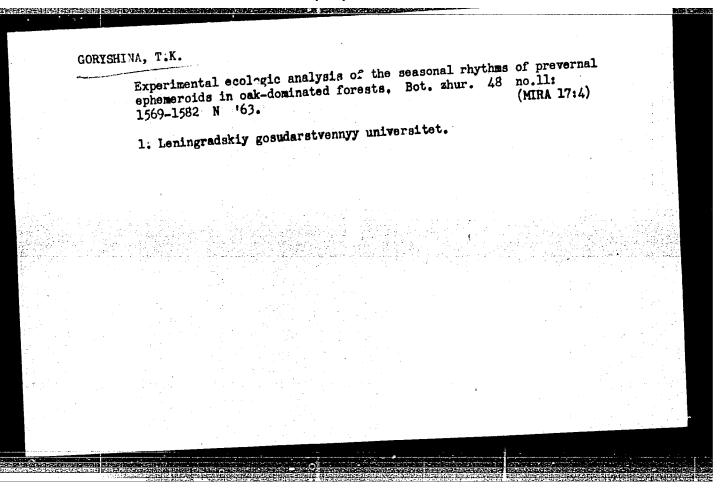
GORYSHINA, T. K.

Some anatomicophysiological characteristics of spring and summer leaves of Pulmonaria obscura Dumort. Nauch. dokl. vys. shkoly; biol. nauki no.3:109-112 *62. (MIRA 15:7)

1. Rekomendovana kafedrov geobotaniki Leningradskogo gosudarstvennogo universiteta im. A. A. Zhdanova.

(PULMONARIA) (LEAVES)





GORYSHINA, T.K., kand.biolog.nauk

Strange plant. Priroda 52 no.8:113 Ag '63. (MIRA 16:9)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova. (Toothwort)

GORYSHINA, T.K.

Vegetative reproduction of the squill Scilla sibirica Andrews. Nauch. dokl. vys. shkoly; biol. nauki no.3: 103-106 *64 (MIRA 17:8)

1. Rekomendovana laboratoriyey geobotaniki Biologicheskogo nauchno-issledovatel skogo instituta Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova.

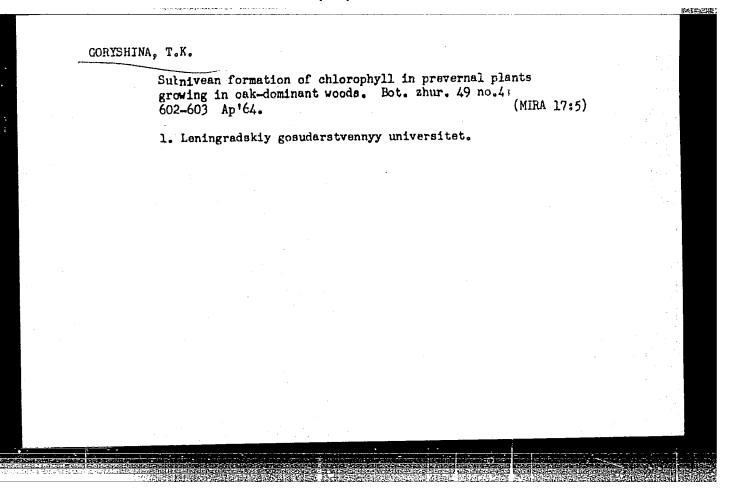
GORYSHINA, T.K.; SMIRNOVA, V. Ya.; TI CHAN-TSZIN' [T'1 Ch'ang-chin]

Water balance of herbaceous summer plants in oak forests.

(MIRA 16:9)

Vest. IGU 18 no.15:29-37'63.

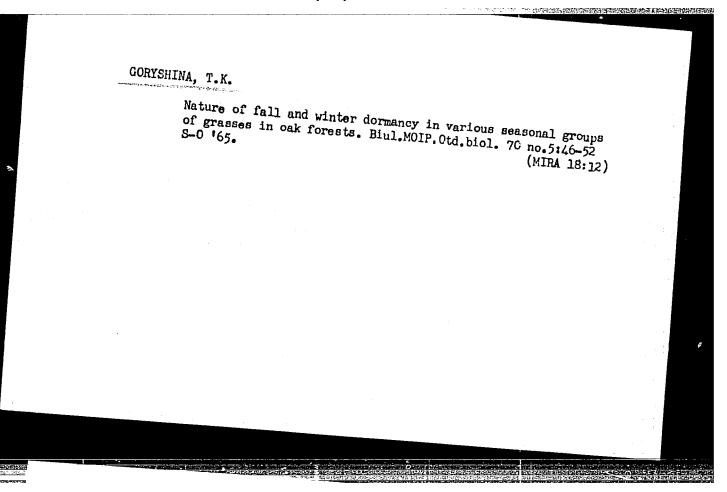
(FOREST ECOLOGY) (PLANTS—WATER REQUIREMENTS)



GORYSHINA, T.K.

Regulation of the seasonal development rhythm of prevernal nemoral ephemeroids under experimental conditions. Fiziol. rast. 12 no.3:549-550 My-Je '65. (MIRA 18:10)

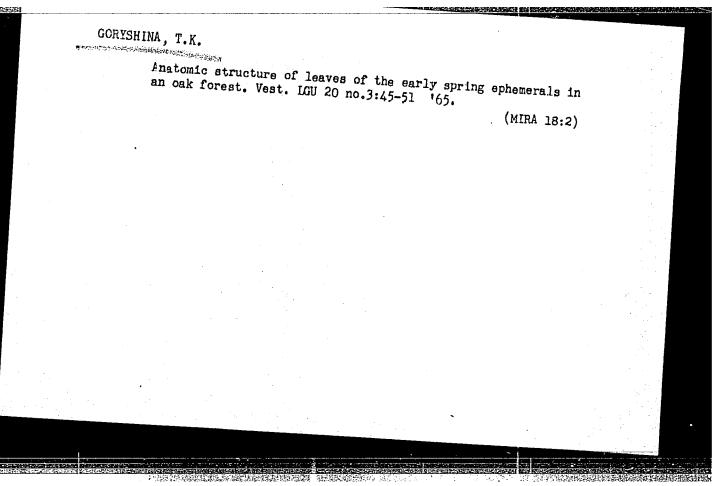
1. Iaboratoriya eksperimental'noy geobotaniki Petergofskogo Biologicheskogo instituta Leningradskogo universiteta.

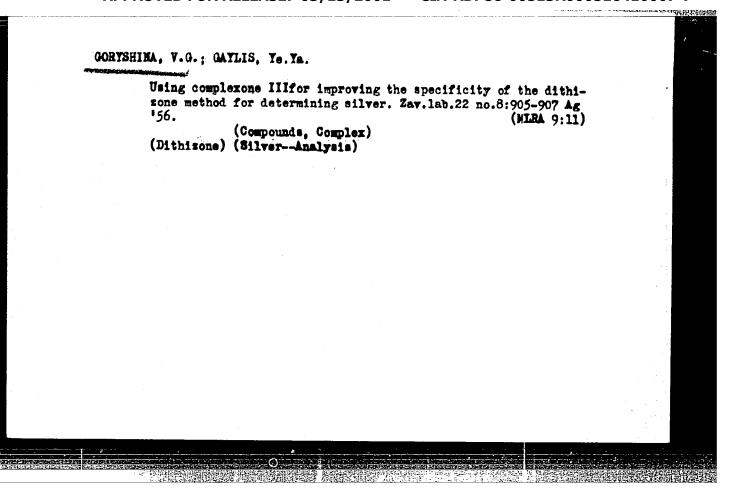


GORYSHIN, N.I.; DONDUA, A.K.; BRAUN, Ye.A.

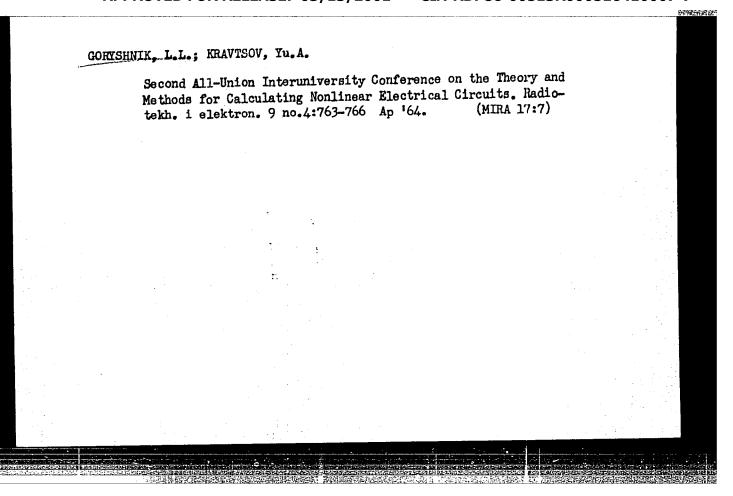
Device for temperature control of solutions during the development of autoradiograms. Nauch. dokl. vys. shkoly; biol. nauki no.1:781. Rekoment

1. Rekomendovana kafedroy emiriologii Leningradskogo gosudarst-





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L 54002-65 EHT(1)/EMG(m)/EPF(n)-2/EPA(w)-2 Pz-6/Po-4/Pab-10/P1-4 TJP(c) ACCESSION MR: APSOLATOL UR/0203/65/005/003/0401/0412 550.388.2

AUTHORS: Goryshnik, L. L.; Dyukalov, A. N.

TIPLE: Particle distribution in the vicinity of a charged sphere in weakly ionized rarefied plasma

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 3, 1965, 401-412

TOPIC TACS: plasma, rarefied gas, electron distribution, charged particle distribution, potential theory

ABSTRACT: The particle distribution around a charged sphere in a weakly ionized plasma was determined analytically. Poisson's equation is written in the form $\frac{D^2}{a^2}\frac{1}{x^2}\frac{dz}{dx}=n_c-n_i,$

$$\frac{D^2}{a^2}\frac{1}{x^2}\frac{d}{dx}\left(x^2\frac{dx}{dx}\right) = n_r - n_l,$$

$$\stackrel{V}{D} = \bigvee \frac{\Phi_0}{4\pi N_0 c} = \sin \bigvee \frac{\Phi_0(a)}{N_0(ce^{-\delta})},$$

and the solution of this equation is determined for the rarefied flow case or.

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ACCESSION NR: AP5014101

D/d >>1. This in turn is divided into the three regions corresponding to weak or strong sphere potential

$$(3a)aD^{-1}\Phi_0 \ll kT$$
, $(36)aD^{-1}\Phi_0 \sim kT$, $(3a)aD^{-1}\Phi_0 \gg kT$,

To define the integration domain, particle motion is analyzed in a centrally symmetric field with an effective potential energy

$$Y = \frac{M^2}{2mr^2} + S(r).$$

Three types of particle trajectories are identified; those intersecting the sphere surface, those coming from infinity and being reflected from the potential partier back to infinity, and particles with periodic motion. The effective potential is defined in the form

$$y = Cx^{-2} + 1 - z$$
 $\left(y = \frac{Y}{e\Phi_0}, \quad C = \frac{M^2}{2ma^2e\Phi_0}\right)$

and together with the above trajectories various domains are identified for charged particle distributions on E versus C plots (E=y). On the tasis of this analysis, the following expressions are obtained as electron and icn

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distributions	$-\iint_{E} \frac{f(n) dC dE}{\sqrt{E - Cx^{2} - 1}}$	+2 \ \ \ fenjde	C dE +		
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			f _i dE		
	$\frac{1}{x^2} \int_{0}^{\infty} dC \int_{C}^{\infty} \frac{f_i dE}{\sqrt{E - Cx^{-2}}}$				
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ACCESSION NR: AP5014101		2
	$\mu^2 \approx \frac{kT}{e\Phi_0} \frac{D}{a} \frac{N_e \sigma_{ee}}{N_{ee}}$	
	ed for particle distribution	
		uthors express their
to the periodic or finite t gratitude to S. M. Rytov fo	brajectory particles. "The cor his influence on this work	
to the periodic or finite to gratitude to S. M. Rytov for equations and 8 figures.	rajectory particles. "The cor his influence on this work	c." Orig. art. has: 48
to the periodic or finite to gratitude to S. M. Rytov for equations and 8 figures. ASSOCIATION: Radiotekhnich	rajectory particles. "The a	c." Orig. art. has: 48
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to the periodic or finite to gratitude to S. M. Rytov for equations and 8 figures. ASSOCIATION: Radiotekhnich AN SSSR) SUBMITTED: 160ct64	orajectory particles. "The corning influence on this work work institut AN SSSR (Rad	c." Orig. art. has: 48

L 1512-66 EWT(1)/FCC/EWA(h) GW/GS UR/0000/65/000/000/0267/0270 ACCESSION NR: AT5023595 AUTHOR: Goryshnik, L. L.; Dyukalov, A. N. TITLE: Amplification of the external electric field on the surface of a larg body in the ionosphere SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 267-270 TOPIC TAGS: ionosphere, ionosphere electric field, ionosphere electric field amplification ABSTRACT: An analytical investigation was made of the electric field strength on the surface of a motionless body within a boundless plasma in the absence of a magnetic field, but in the presence of a weak electric field. Such a body would not affect the overall neutrality of the plasma. The equality of electronic and ionic currents between the body and the stationary plasma is primarily responsible for the body's potential. If the photoeffect and the effect of the secondary emission are disregarded, the body will display a negative potential considerably higher than that of the mean thermal energy of the electrons, owing to the higher mobility of Card 1/3

L 1512-66

ACCESSION NR: AT5023595

the electrons. A space charge near the body would occur as the result of the presence of positive ions. The thickness of the charged space would be of the order of the Debye radius. Proceeding from the Poisson equation for the distribution of potential effected by a charged body within a layer, the authors determined the densities of charged particles within the space charge and found an equation for the potential distribution for the case at hand. From this the field strength was deduced at the surface of the body under the assumption that the mean energy of the electrons can be considered equal to zero at the surface. Under the assumptica that the ion thermal velocity equals its mean value, an equation was deduced for determining the dependence of the field strength on the density of the ionic current and the potential at a point on the surface, and on the thermal energy of the particles on the boundary of the layer and the plasma. Under certain simplifying assumptions, it was concluded that the weak external field depends on the density of the ionic current from the external field at a given point of the surface. The determining factor of the external field $\mu = eE_{\perp} \Lambda/kT_e$ (e is the electron charge, E_ the field strength, and A the mean free path of particles), which in the case under considered ation is << 1, has different signs at opposite points of the body to It follows from the symmetry of the problem that a disturbance of the surface potential by a weaker external field is proportional tocal . The amplification factor of a weak external field on the surface of a body in the tonosphere was found to be proportional to the

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ACC NR: A16017505 (N) SOURCE CODE: UR/2759/65/000/007/0029/0038

AUTHOR: Voskresenskiy, G. V.; Goryshnik, L. L.; Koroza, V. I.

ORG: none

TITLE: Axial motion of particles in the initial section of a strong focusing <u>linear</u> electron accelerator with constant phase velocity

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli, no. 7, 1965, 29-38

TOPIC TAGS: linear accelerator, phase velocity, RF field, particle motion

ABSTRACT: The calculations of in phase motion of electrons in the initial section with constant phase velocity are limited to two cases. 1) It is assumed that the damping of the RF field is small and the accelerated current remains small. 2) In the second part, it is assumed that the current is large and can become considerably distorted during the accelerating duty cycle. In the first part, it is assumed that the electrons are perfectly bunched in phase and the initial energy is the same for electrons. In this case, the bunches do not spread during the accelerator duty cycle and the "single electron motion" approximation can be applied. A system of equations takes into account the initial spread of momentum of electrons in an interval $\Delta\gamma$ for each group of electrons. The comparison of detailed calculations with the calcula-

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FILIPPOV, S.N. [deceased]; BEMA, N.I.; ALIMOV, I.G.; RYZHKOV, P.Ya.; LEVIN, P.G.; GORTUCHKO, I.G.; ZADOROZHMAYA, N.A.; VOLKOYA, L.A.

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